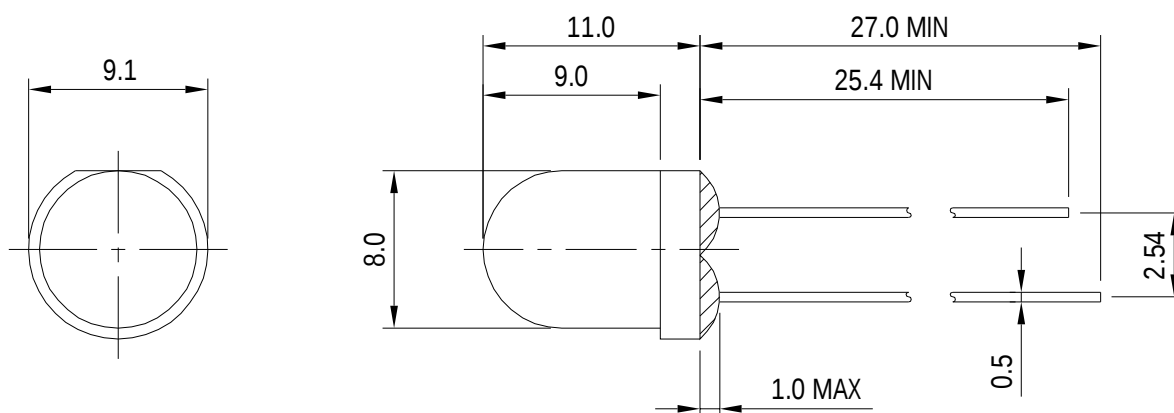


# JOINSCAN LEDs

| LED LAMP — $\phi$ 8.0mm SERIES |                   |
|--------------------------------|-------------------|
| MODEL NO.                      | L803FCW           |
| EMITTING COLOR                 | ULTRA BRIGHT BLUE |
| DICE                           | SiC               |
| LENS                           | Water Clear       |

| ABSOLUTE MAXIMUM RATINGS ( 最大極限值 )                                                            |        |               |       |
|-----------------------------------------------------------------------------------------------|--------|---------------|-------|
| TA = 25℃                                                                                      |        |               |       |
| PARAMETER                                                                                     | SYMBOL | RATING        | UNIT  |
| POWER DISSIPATION                                                                             | P AD   | 72.0          | mW    |
| DERATING LINEAR FROM 25 ℃                                                                     |        | 0.27          | m / ℃ |
| CONTINUOUS FORWARD CURRENT                                                                    | I AF   | 20.0          | mA    |
| PEAK FORWARD CURRENT ( DUTY CYCLE 1 / 10 , 10KHZ )                                            | I PF   | 90.0          | mA    |
| REVERSE VOLTAGE                                                                               | V R    | 5.0           | V     |
| OPERATING TEMPERATURE                                                                         | T OPR  | -25℃ TO + 85℃ |       |
| STORAGE TEMPERATURE                                                                           | T STG  | -25℃ TO + 85℃ |       |
| SOLDER TEMPERATURE 1 / 16 INCH BELOW SEATING PLANE FOR 5 SECONDS AT 230℃ OR 3 SECONDS AT 250℃ |        |               |       |

| ELECTRO - OPTICAL CHARACTERISTICS ( 電性 )<br>TA = 25°C |             |            |     |      |     |         |
|-------------------------------------------------------|-------------|------------|-----|------|-----|---------|
| PARAMETER                                             | SYMBOL      | CONDITION  | MIN | TYP  | MAX | UNIT    |
| FORWARD VOLTAGE                                       | V F         | I F = 20mA | —   | 3.6  | —   | V       |
| LUMINOUS INTENSITY                                    | I V         | I F = 20mA | —   | 3000 | —   | mcd     |
| PEAK EMISSION WAVELENGTH                              | $\lambda$ P | I F = 20mA | —   | 470  | —   | nm      |
| REVERSE CURRENT                                       | I P         | I F = 5mA  | —   | —    | 100 | $\mu$ A |



UNIT : mm  
TOLERANCE :  $\pm 0.2$ mm  
REV : B